

Paul Douglas Byrd  
USA Citizen  
Mile 123.5 Tok Cutoff  
Tok, AK 99780

TITLE OF INVENTION

D R Y B { D O C

T H {



{ M B O L

L a n ɔ u a ɔ e

Private Communication System

## CROSS-REFERENCE TO RELATED APPLICATIONS

### Cryptography techniques

There is no other cryptography technique comparable to  
DRYBEDOC THE EMBOL Language Private Communication System.

#### 1. DRYBEDOC THE EMBOL Language (DTEL)

- A. A new language.
- B. Geometrically generated.
- C. Cryptography technique.

##### 1. Encrypts font or style with information.

- a. Style is font typeface.
- b. Font when used is text.
- c. Text has alphabet value.
- d. DTEL text has font and alphabet values.

#### 2. Private Communication System

- A. A new font.

##### 1. Geometrically generated from the copyright design

THE EMBOL.

- a. Font characters are generated by exactly reproducing lines from THE~~SECRET~~EMBOL.
- b. May carry more than face value information.

B. The font is the private communication system.

1. A font must be installed to be produced.

- a. THE~~SECRET~~EMBOL font used in production of this document can not be reproduced, as text, by any other computer or system anywhere in the world.

C. Exclusively available from drybedoc.

3. Other cryptography techniques

- A. Quantum physics
- B. Algorithms
- C. Number calculation
- D. Codes
- E. Pictures
- F. Gimmicks
- G. Trickery

## STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

Not Applicable

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REFERENCE TO A MICROFICHE APPENDIX

**Not Applicable**

*(The following are from the same manuscript as above.)*

## BACKGROUND OF THE INVENTION

The design was conceived as a code game for my 9 year old daughter. The design lines initially drawn were named after the English alphabet letters and became known as THE EMBOL. The game was to disguise an alphabet so that a secret message could be made and sent to a decoder. As the lines were drawn different characters took shape. Some line combinations produced shapes that duplicate or closely resemble English alphabet letters. DRYBEDOC became the language of geometric shapes constructed by reproducing the lines of one unique design. The creation of such a large number of characters led to a limited publishing of the book 'DRYBEDOC' which was commercially printed in 1988. The book contains a solve and win \$100.00 message in which the DRYBEDOC characters were produced by hand. A marketing attempt was made by mailing the DRYBEDOC book to game makers, electronic device manufacturers, and some local businesses. Responses of "Wow and Neat idea" produced no buyers. Over the next several years 'DRYBEDOC' was only occasionally discussed with family and friends, but did not die. An effort in 1997-98 led to the design line combinations producing all of the DRYBEDOC Alphabet large case letters, small case

letters, numbers, and punctuation characters. A system emerged allowing characters (EMBOLS) to be constructed two ways; expressing design line names that create characters and expressing alphabet names that create design lines that create characters. Graphing the quantity of different lines used in character construction produced an alphabet that no longer was plain ABC. The name of A became qferd. The name of B became KNEf. The name of C became cLd. etc., so that all English alphabet characters have a DRYBEDOC equivalent character with a critically case sensitive name. The language, time consuming to print, because it can not be cursively written or seemingly possible to humanly speak, provides a way to make words say more than is written. Characters that change names simply by changing the design line names make it possible that every alphabet character may have a different character name. This unique system allows previously written information to be encrypted to transmit DRYBEDOC data. On July 17, 1998 THE EMBOL of DRYBEDOC THE EMBELIC Language was issued United States of America copyright #VAu 440-556. A computer and a font building program provided the means to create electronically the unique DRYBEDOC font. Two more books, displaying the font, were self published and

distributed during 1999. The books, DRYBEDOC~~III~~The EMBELIC Language and DRYBEDOC I I I, were submitted to several prominent technology firms and three government affiliated encryption agencies and numerous internet inquires were made to colleges and universities and government agencies seeking any interest. At that time the tech industry was booming and no one was looking for another font, no matter how unique. It is now 2001 and private electronic data whether personal, industrial, financial, or medical has been made public knowledge. The FBI recently released information that states cyber theft of proprietary information and credit card loss in billions of dollars. It is apparent that the many and various systems designed to protect private information have been unsuccessful.

March 21, 2001 is the 414th day (posted on the internet) that a win \$10,000.00 US message, 'Find the Font', has been offered to anyone who could post the URL of any site, other than the DRYBEDOC site, that displays the DRYBEDOC~~III~~Font.

Also, today is the 329th day that a 'Solve the \$10,000.00 Message' (Illustration #1, page 9) has been posted on the same site;  
[www.delphi.com/~drybedoc](http://www.delphi.com/~drybedoc)



Illustration #1: The only illustration in this document.

Note: ALL other characters are produced as typed text.

o } 9 f J z e I a U d } e  
i e D J H R M v y J  
d 9 J z } 9 t U z e v  
J I R e e z e d ~ z  
S I I e d J r  
S P b e U f y k e J  
n P e F r c z L J U  
f x u ~ e S ~ P ~ O  
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No one has claimed any prize money, including the original \$100.00.

## BRIEF SUMMARY OF THE INVENTION

DRYBEDOC THE EMBOL Language Private Communication System; utilizing the physics of geometry, accomplishes private communication thru unique creation, transmission, and storage of information.

### Facts

1. A new language.
2. Can be written.
3. Can be spoken.
4. Especially suited to digital communication.
5. Stops unauthorized copy of language font.
6. Naturally exclusive intranet.
7. Transfers data without exposing the original information.
  - a. DRYBEDOC is not alphabet.
    1. It is a font (style).
      - a. Compatible with all alphabets.
    2. A style (typeface) of alphabet.
      - a. DRYBEDOC data is encrypted to alphabet as style.

8. Encrypts previously published information with personal information and transmits as language data.
9. Guarantees integrity of each communication by having one central connection point.
10. Only customized to the client DRYBEDOC Font will be released.
- a. To ensure integrity all DRYBEDOC TEL systems will be created on site.
1. Estimated creation time approximately 1 to 2 weeks.
11. Unauthorized reproductions of DRYBEDOC THE EMBOL Language Private Communication System are excluded from becoming part of the Original D TEL Private Communication System.
- a. Only customized to client systems have contact and communication procedure.
12. This document, in its entirety, can not be identically reproduced by typed text, by any other computer or system anywhere in the world.
13. FUN !

### BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

Not Applicable

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050

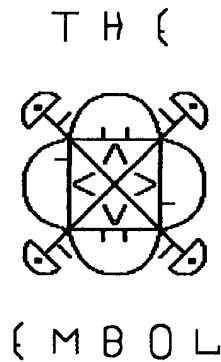
## DETAILED DESCRIPTION OF THE INVENTION

### DRYBEDOC THE EMBOL Language Private Communication System

#### 1. DRYBEDOC THE EMBOL Language (DOTEL)

- A. Is not English.
- B. Is a new geometric language.
- C. Encrypts font (style) as information.
  - 1. May carry more than face value information.

#### 2. THE EMBOL



See: THE EMBOL page 31

- A. 26 independent geometric line designs uniquely fit together.
  - 1. Assigned equivalent names of English alphabet characters A thru Z.

2. Any change of design names results in name changes of some or all EMBOLS (fonts).

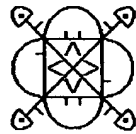
B. Produces an unlimited quantity of fonts (EMBOLS).

1. D~~TEL~~TEL fonts are produced using Macromedia Fontographer 4.0 Font Making Program.

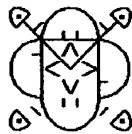
a.\*\* Each character is THE~~EMBOL~~EMBOL with specified lines removed.

Example: \*\*

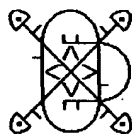
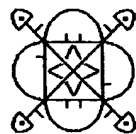
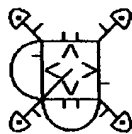
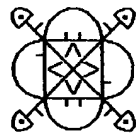
THE~~EMBOL~~EMBOL  
complete



THE~~EMBOL~~EMBOL  
lines removed



THE~~EMBOL~~EMBOL  
removed lines



D~~TEL~~TEL characters are created using this construction technique.

1. All fonts are created using font making programs.

- a. Follow font making program  
manufacturer instructions.

### 3. EMBOLS (fonts)

#### A. Character shapes

1. Exactly reproduced line by line from THE EMBOL.
  - a. Appear as English alphabet letters, numbers,  
and punctuation and graphic characters.
2. Critically case sensitive.
  - a. Use of ALL of an independent line design in  
construction receives a LARGE CASE LETTER in  
its name.
  - b. Use of PART of an independent line design in  
construction receives a small case letter in its  
name.
3. Can be encrypted with multiple DISTEL values.

#### B. Names

1. Assigned such that each character can equal any  
alphabet character.
2. Changed by assigning THE EMBOL lines different

names allowing characters to change names without changing size, shape, color, or appearance.

a. Number of name changes is determined by quantity of installed DRYBEDOC® Alphabets.

1. Computer memory size determines quantity of DRYBEDOC® Alphabets that can be installed.

### C. Alphabets

1. Unlimited quantity can be generated by THE® EMBOL.

2. One DRYBEDOC® Alphabet consists of:

a. 26 LARGE CASE LETTERS : See LARGE CASE

LETTERS - BIG Klat (talk) page 32

b. 26 small case letters : See small case letters -

little Klat (talk) page 33

c. 10 numbers : See numbers page 34

d. 26 punctuation : See Punctuation

pages 35, 36, 37

e. 39 graphic characters : See graphics page 38

See other DRYBEDOC® Fonts pages 45, 46, 47



#### 4. Encryption technique

Every keystroke, in addition to face value information is language data.

A. Encrypted font contain one or more values.

##### 1. Translation

a. Identical with English language values.

##### 2. Alphabet

a. Alphabet characters have measurable (to the pixel) geometric value, and may have assigned numeric, and assigned alphabet values.

##### 3. Geometric

a. Lines of THE~~EMBOL~~ have measurable (to the pixel) alphabet, number, and geometric values.

##### 4. Numeric

a. Number characters have measurable (to the pixel) geometric value, and may have assigned alphabet, and assigned numeric values.

##### 5. Graphic

a. Graphic characters have measurable (to the

pixel) geometric value, and may have assigned  
alphabet, and assigned numeric values.

6. Artistic

a. Has art values.

7. None

a. Has no information values.

5. Private Communication System

A. Installs as a font.

1. Font must be installed to be produced.

B. The font is the private communication system.

C. There is only one D~~RY~~TEL supply source.

6. Definition of terms and conditions

A. DRYBEDOC : My last name, BYRD, and CODE; spelled  
backward individually and aligned as one word;  
Pronounced DRY BE DOC.

B.  =  : ©. THE~~RY~~EMBOL size increase is for clarity.

C. THE~~RY~~EMBOL : The copyright design from which all EMBOLS  
are created.

D. EMBOL : Any character (font) created line by line from  
THE EMBOL.

E. Font : An assortment of type all of one size and style;  
definition by Webster's Dictionary 7th New Collegiate.

F. Klat : talk spelled backward.

G. All other words are of standard English definition.

H. Assigned Information values are encrypted and  
transmitted as part of message.

I. DRYBEDOC is compatible with all languages.

J. This document can not be exactly reproduced until  
DRYBEDOC THE EMBOL Language is installed.

XX  
XX

Practical application of invention:

DRYBEDOC THE EMBOL Language Private Communication System  
for Government, Business and Individuals.

1. DRYTEL

A. Provides keyboard operator and able client with a private communication system.

B. Excludes all unauthorized access of language information.

1. Only equipment with client DRYTEL installed are capable of communication in client DRYTEL.

2. Only the encrypting and decrypting client have message DRYTEL.

3. Provides self limiting copyright.

a. Can not be electronically produced, viewed or printed unless installed.

b. THE DRYEMBOL, copyright 1988, was issued United States of America copyright #VAu 440-556, July 17, 1998.

1. Therefore, communication using DRYBEDOC

THE DRYEMBOL Language is protected by

United States of America copyright laws,

although unnecessarily.

C. Requires minimum installation of 13 DRYTEL Alphabets.

1. Largest DRYBETEL system: 169 DRYBETEL Alphabets.

2. Each installed alphabet increases security.

3. There are no duplicate alphabets.

D. Compatible with software and hardware that allows font installation.

Method of operation of invention:

Step 1.

Obtain CD from drybedoc that contains ready to install DRYBETEL Private Communication System.

A. Each CD contains one system.

1. All systems are customized to client.

Step 2.

Insert CD into computer CD player.

Step 3.

Open CD icon that appears on screen.

Step 4.

Install DRYBEDOC DRYBETEL Alphabets from CD by following equipment manufacturer font installation procedure.

**A. Uninstall**

1. Follow manufacturer procedure.

**Step 5.**

Open a word processing program.

**A. Begin encryption of original information.**

1. Previously published information can be encrypted to carry DRYBEDOC data that decrypted is different information. See Security page 39

2. Any letter of a word may be encrypted by selecting a different DRYBEDOC Alphabet.

- a. Any alphabet, punctuation, number, or graphic character can be encrypted as any character.

- b. Every keyboard character contains a complete DRYBEDOC Alphabet.

3. Use customized font sequence or track and log sequence used and transmit with message.

**B. Customized DRYBEDOC perform all or part of encryption**

and decryption procedures.

Step 6.

Storage of original information.

A. To insure privacy store original information as encrypted data.

1. Security can be increased after transmission by re-encrypting data to encryptor private.

Step 7.

Transmission of encrypted data.

A. Send as e-mail or as an attachment to e-mail.

1. Computers that do not have D~~TE~~TEL installed will view data in the selected or default font.

B. Can be posted on the internet as a picture file.

a. A font can not be electronically reproduced as text without being installed.

C. Can be computer printed as a private document.

1. Documents printed using D~~TE~~TEL can be security marked and verified for authenticity.

D. Can be produced by hand.

E. Can be spoken. See Speakability page 48

1. Tell specifics of existing publication used for  
transmission of D~~IS~~TEL encrypted data.

This document, in its entirety, can not be reproduced, as typed  
text, by any other computer or equipment any where in the world.

